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## **RAW SEQUENCE LISTING ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/714,820  
Source: FWO  
Date Processed by STIC: 1/30/04

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

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**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221**

**Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221**

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**<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>**

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Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

**Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:**

- 1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)**
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
- 3. Hand Carry directly to (EFFECTIVE 12/01/03):**  
**U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202**
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Revised 10/08/03



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/714,820

DATE: 01/30/2004

TIME: 12:16:20

Input Set : D:\SONN043.txt

Output Set: N:\CRF4\01292004\J714820.raw

3 <110> APPLICANT: BERENYI, MARIA  
 4 BURG, KORNEL  
 5 GICHUKI, SIMON T.  
 6 SCHMIDT, JOSEF  
 8 <120> TITLE OF INVENTION: METHOD FOR ANALYZING DNA OF SWEET POTATO  
 10 <130> FILE REFERENCE: SONN:043US  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/714,820  
 13 <141> CURRENT FILING DATE: 2003-11-17  
 15 <150> PRIOR APPLICATION NUMBER: PCT/EP02/05216  
 16 <151> PRIOR FILING DATE: 2002-05-13  
 18 <150> PRIOR APPLICATION NUMBER: A 777/2001  
 19 <151> PRIOR FILING DATE: 2001-05-16  
 21 <160> NUMBER OF SEQ ID NOS: 35  
 23 <170> SOFTWARE: PatentIn Ver. 2.1  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 195  
 27 <212> TYPE: DNA  
 28 <213> ORGANISM: Artificial Sequence  
 30 <220> FEATURE:  
 31 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 32 Primer  
 34 <400> SEQUENCE: 1  
 35 gaggggaagt gttaggactc ttagtctaga ctacttctag tattactata cttctacata 60  
 36 ttgtatttat atttctcctg tgtaattgtg tacgactgat atacagaatt attcaatcct 120  
 37 aatcaatgtc atagcaacat agaactcaag aaagaaatga gcggagaggt aatgagggtt 180  
 38 tactcaggac tcac 195  
 40 <210> SEQ ID NO: 2  
 41 <211> LENGTH: 10  
 42 <212> TYPE: DNA  
 43 <213> ORGANISM: Artificial Sequence  
 45 <220> FEATURE:  
 46 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 47 Primer  
 49 <400> SEQUENCE: 2  
 50 taagactaag 10  
 52 <210> SEQ ID NO: 3  
 53 <211> LENGTH: 18  
 54 <212> TYPE: DNA  
 55 <213> ORGANISM: Artificial Sequence  
 57 <220> FEATURE:  
 58 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 59 Primer  
 61 <400> SEQUENCE: 3

4,6  
 Does Not Comply  
 Corrected Diskette Reader

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/714,820

DATE: 01/30/2004

TIME: 12:16:20

Input Set : D:\SONN043.txt

Output Set: N:\CRF4\01292004\J714820.raw

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62 agactaagag tcctaaca                                18
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 19
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
71     Primer
73 <400> SEQUENCE: 4
74 agactaagag tcctaacag                                19
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 19
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
83     Primer
W--> 84 <400> SEQUENCE: 5
85 agactaagag tcctaacat                                19
87 <210> SEQ ID NO: 6
88 <211> LENGTH: 19
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
94     Primer
96 <400> SEQUENCE: 6
97 agactaagag tcctaacaa                                19
99 <210> SEQ ID NO: 7
100 <211> LENGTH: 20
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
106     Primer
108 <400> SEQUENCE: 7
109 agactaagag tcctaacagc                                20
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 20
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
118     Primer
120 <400> SEQUENCE: 8
121 agactaagag tcctaacaga                                20
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 20
125 <212> TYPE: DNA

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/714,820

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Input Set : D:\SONN043.txt

Output Set: N:\CRF4\01292004\J714820.raw

126 <213> ORGANISM: Artificial Sequence  
128 <220> FEATURE:  
129 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
130 Primer  
132 <400> SEQUENCE: 9  
133 agactaagag tcctaacagg 20  
135 <210> SEQ ID NO: 10  
136 <211> LENGTH: 20  
137 <212> TYPE: DNA  
138 <213> ORGANISM: Artificial Sequence  
140 <220> FEATURE:  
141 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
142 Primer  
144 <400> SEQUENCE: 10  
145 agactaagag tcctaacata 20  
147 <210> SEQ ID NO: 11  
148 <211> LENGTH: 20  
149 <212> TYPE: DNA  
150 <213> ORGANISM: Artificial Sequence  
152 <220> FEATURE:  
153 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
154 Primer  
156 <400> SEQUENCE: 11  
157 agactaagag tcctaacatg 20  
159 <210> SEQ ID NO: 12  
160 <211> LENGTH: 20  
161 <212> TYPE: DNA  
162 <213> ORGANISM: Artificial Sequence  
164 <220> FEATURE:  
165 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
166 Primer  
168 <400> SEQUENCE: 12  
169 agactaagag tcctaacatc 20  
171 <210> SEQ ID NO: 13  
172 <211> LENGTH: 20  
173 <212> TYPE: DNA  
174 <213> ORGANISM: Artificial Sequence  
176 <220> FEATURE:  
177 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
178 Primer  
180 <400> SEQUENCE: 13  
181 agactaagag tcctaacaaa 20  
183 <210> SEQ ID NO: 14  
184 <211> LENGTH: 20  
185 <212> TYPE: DNA  
186 <213> ORGANISM: Artificial Sequence  
188 <220> FEATURE:  
189 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
190 Primer

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/714,820

DATE: 01/30/2004  
 TIME: 12:16:20

Input Set : D:\SONN043.txt  
 Output Set: N:\CRF4\01292004\J714820.raw

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193 agactaagag tcctaacaag 20
195 <210> SEQ ID NO: 15
196 <211> LENGTH: 20
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
202 Primer
204 <400> SEQUENCE: 15
205 agactaagag tcctaacaac 20
207 <210> SEQ ID NO: 16
208 <211> LENGTH: 17
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
214 Primer
216 <400> SEQUENCE: 16
W--> 217 mcnachaarc ayathga ) see error explanation on p.6 17
219 <210> SEQ ID NO: 17
220 <211> LENGTH: 17
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
226 Primer
228 <400> SEQUENCE: 17
W--> 229 gcnayattt tnaaaa see p.6 17
231 <210> SEQ ID NO: 18
232 <211> LENGTH: 17
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
238 Primer
240 <400> SEQUENCE: 18
241 gactgcgtac caattca 17
243 <210> SEQ ID NO: 19
244 <211> LENGTH: 17
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
250 Primer
252 <400> SEQUENCE: 19
253 ctcgtagact gggtacc 17
255 <210> SEQ ID NO: 20
256 <211> LENGTH: 15

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## RAW SEQUENCE LISTING

DATE: 01/30/2004

PATENT APPLICATION: US/10/714,820

TIME: 12:16:20

Input Set : D:\SONN043.txt

Output Set: N:\CRF4\01292004\J714820.raw

257 <212> TYPE: DNA  
258 <213> ORGANISM: Artificial Sequence  
260 <220> FEATURE:  
261 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
262 Primer  
264 <400> SEQUENCE: 20  
265 aattggtacg cagtc 15  
268 <210> SEQ ID NO: 21  
269 <211> LENGTH: 19  
270 <212> TYPE: DNA  
271 <213> ORGANISM: Artificial Sequence  
273 <220> FEATURE:  
274 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
275 Primer  
277 <400> SEQUENCE: 21  
278 gactgcgtac caattcaag 19  
280 <210> SEQ ID NO: 22  
281 <211> LENGTH: 19  
282 <212> TYPE: DNA  
283 <213> ORGANISM: Artificial Sequence  
285 <220> FEATURE:  
286 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
287 Primer  
289 <400> SEQUENCE: 22  
290 gactgcgtac caattcact 19  
292 <210> SEQ ID NO: 23  
293 <211> LENGTH: 16  
294 <212> TYPE: DNA  
295 <213> ORGANISM: Artificial Sequence  
297 <220> FEATURE:  
298 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
299 Primer  
301 <400> SEQUENCE: 23  
302 gacgatgagt cctgag 16  
304 <210> SEQ ID NO: 24  
305 <211> LENGTH: 14  
306 <212> TYPE: DNA  
307 <213> ORGANISM: Artificial Sequence  
309 <220> FEATURE:  
310 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
311 Primer  
313 <400> SEQUENCE: 24  
314 tactcaggac tcat 14  
316 <210> SEQ ID NO: 25  
317 <211> LENGTH: 17  
318 <212> TYPE: DNA  
319 <213> ORGANISM: Artificial Sequence  
321 <220> FEATURE:  
322 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

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VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/10/714,820

DATE: 01/30/2004

TIME: 12:16:21

*mn explanation*

Input Set : D:\SONN043.txt

Output Set: N:\CRF4\01292004\J714820.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:16; N Pos. 3,6

Seq#:17; N Pos. 3,9,12,15



**VERIFICATION SUMMARY**

**PATENT APPLICATION: US/10/714,820**

**DATE: 01/30/2004**

**TIME: 12:16:21**

**Input Set : D:\SONN043.txt**

**Output Set: N:\CRF4\01292004\J714820.raw**

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:84 M:283 W: Missing Blank Line separator, <400> field identifier  
L:217 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:16  
L:217 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:16  
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:229 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:17  
L:229 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:17  
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0